

Title (en)

SOFT PROTEASE INHIBITORS AND PRO-SOFT FORMS THEREOF

Title (de)

SOFT-PROTEASEHEMMER UND PRO-SOFT-FORMEN DAVON

Title (fr)

INHIBITEURS LEGERS DE PROTEASES ET LEURS PRO-FORMES LEGERES

Publication

EP 1973548 A2 20081001 (EN)

Application

EP 06849964 A 20061215

Priority

- US 2006047853 W 20061215
- US 75201705 P 20051219

Abstract (en)

[origin: WO2007100374A2] The invention provides compounds and methods for inhibiting proteases. One aspect of the invention features pro-soft inhibitors which react with an activating protease to release an active inhibitor moiety in proximity to a target protease. In certain instances, compounds inhibit proteasomes and/or post-proline cleaving enzymes (PPCE), such as dipeptidyl peptidase IV. The compounds of the invention provide a better therapeutic index, owing in part to reduced toxicity and/or improved specificity for the targeted protease.

IPC 8 full level

C07F 5/02 (2006.01); **A61K 31/401** (2006.01); **A61K 31/4045** (2006.01); **A61P 3/08** (2006.01); **C07D 403/06** (2006.01); **C07K 5/00** (2006.01);
C07K 5/117 (2006.01); **C07D 207/10** (2006.01); **C07D 207/16** (2006.01)

CPC (source: EP KR US)

A61K 31/69 (2013.01 - EP KR US); **A61K 38/05** (2013.01 - EP US); **A61K 38/28** (2013.01 - EP US); **A61K 45/06** (2013.01 - EP US);
A61P 3/00 (2017.12 - EP); **A61P 3/04** (2017.12 - EP); **A61P 3/06** (2017.12 - EP); **A61P 3/08** (2017.12 - EP); **A61P 3/10** (2017.12 - EP);
A61P 5/50 (2017.12 - EP); **A61P 43/00** (2017.12 - EP); **C07D 207/10** (2013.01 - EP US); **C07D 207/16** (2013.01 - EP US);
C07D 241/24 (2013.01 - EP US); **C07D 403/12** (2013.01 - EP KR US); **C07F 5/025** (2013.01 - EP US); **C12N 9/99** (2013.01 - EP US)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

WO 2007100374 A2 20070907; **WO 2007100374 A3 20081113**; **WO 2007100374 A9 20071206**; AU 2006339348 A1 20070907;
AU 2006339348 B2 20130117; BR PI0620027 A2 20111025; CA 2633803 A1 20070907; CN 101379069 A 20090304; EP 1973548 A2 20081001;
EP 1973548 A4 20100224; IL 192134 A0 20090803; IL 192134 A 20130430; JP 2009521441 A 20090604; JP 5270369 B2 20130821;
KR 20080077024 A 20080820; KR 20150003157 A 20150108; NO 20083216 L 20080918; US 2009124559 A1 20090514;
US 2013150292 A1 20130613; US 2014128344 A1 20140508; US 2015157684 A1 20150611; US 2016250237 A1 20160901;
US 8268880 B2 20120918; US 8563533 B2 20131022; US 8933056 B2 20150113; US 9192646 B2 20151124

DOCDB simple family (application)

US 2006047853 W 20061215; AU 2006339348 A 20061215; BR PI0620027 A 20061215; CA 2633803 A 20061215;
CN 200680052936 A 20061215; EP 06849964 A 20061215; IL 19213408 A 20080612; JP 2008547342 A 20061215;
KR 20087017430 A 20080717; KR 20147024336 A 20061215; NO 20083216 A 20080718; US 201213617790 A 20120914;
US 201314041201 A 20130930; US 201414572015 A 20141216; US 201514932560 A 20151104; US 9687606 A 20061215